Here is your 1963 . . . index to profitable dairying!

Index to Volume 108
HOARD'S DAIRYMAN

W. D. Hoard and Sons Company, Publishers
Fort Atkinson, Wisconsin

—A—

Abortion—Sporadic ... 691
Acetonemia (ketosis) . 886-1290-1309
Acorns—Poisoning from 1078
ADA—budget for 1964 1147
-"Ozzie and Harriet" continued by ... 520
Agronomists — Meeting 685
Air cleaners ... 657
Air compressor — Making an ... 1209-1357
Alfalfa—Baling ... 683
-Boron for ... 270
-Corn vs. ... 172
-Cutting, in October . 1039
-Insect control in ... 610
-leafhoppers ... 779
-Nutrient deficiency . 852
-pasture ... 677
-Potash needs ... 1050
-seed supply ... 350
-silage ... 708
-Sonora ... 862
-Spraying, before plowing ... 431
-Testing feeding value 166
-yields ... 997
Aliens — Reporting of addresses ... 74
Allergy ... 1242
Aluminum siding ... 958
American Breeders Service—incorporates 525
American Dairy Princess—Godderidge, Sue Ann ... 1146
-Tibesu, Sandra Lee . 721
American Dairy Science Assn.—annual meeting ... 277-855
American Guernsey Cattle Club — annual meeting ... 676
American Jersey Cattle Club — annual meeting ... 820
Ammonia — Applying, during plowing ... 350
Amundson, S. (regional Star Farmer) ... 1236
Anaphylaxis ... 1242
Antifreeze—Draining . 369
Anvil—Homemade ... 813
Appetite—Loss of ... 594
Apple cider—Feeding . 1374
Arizona—Dairy loans . 352
Artificial breeding—Increase in ... 308
-North Central Regional conference ... 308
-Pennsylvania DHIA report (management) 530
-Percentage of dairy cattle bred with ... 865
-Sire health ... 224
-Studs join ... 741
-Young sire program 386
Atrazine—Oat varieties vary in tolerance ... 134
Attic—Insulating ... 1261
Australia—Dairying in 967
Ayrshire Breeders' Assn.—annual meeting ... 674
Ayrshire cow—sets record (Bob's Pansy Girl) ... 456

—B—

"Bagging" — cows for showing ... 1136
Bale throwers ... 728
Bales — Drying 12-inch cubic ... 458
-Hauling, off field .. 725
-Unloading, with truck 453
Barley—Feeding ... 147
Barn—Bull ... 1055
-Calf ... 961
-Free-stall ... 76-970-1021-1202-1204
-insulation ... 215
-temperature ... 402
-ventilation ... 27-913-1031-1357
-Winterizing ... 1146
Barnyard—Paving, with blacktop ... 847
-Paving, with concrete 807
Barr, Dr. H. L., succeeds C. Blackman . 1090
Basement—Waterproofing concrete ... 719
Basil Johnny's Eva Souvenir—sets Jersey record ... 35
Batteries—Ampere-hour ratings ... 283
-Charging ... 1310
-Explosion of ... 1319
-Freezing ... 1149
-Tractor ... 27
Battery charger ... 134
Baushke, K., manages Michigan Artificial Breeders ... 1291
Beacon Bas Patience — sets Jersey record .. 161
Beams—Strengthening . 880
Bedding—Free stalls reduce, costs ... 970
-Sawdust ... 1083
-Spreading, with mower ... 161
-Straw (harvesting) . 977
-Wood chips ... 27
Beef—Dairy ... 996-1262
Beef cattle — in Wisconsin ... 1285
Beet pulp — Feeding .. 293
Belt — Emergency, for power tool ... 32
Berries — Keep birds from ... 620
Birdsfoot trefoil — hay 29
Birth—Rare ... 186
Births—Multiple ... 1343
Blackleg ... 442
Blackman, C., succeeded by Dr. H. L. Barr 1090
Blacktop—barnyards .. 847
Blalock, C., succeeded by M. Senger ... 909
Blanket—Making a calf 684
Bloat—Chronic ... 1242
-prevention ... 1002
Blower—Holds, in place 727
Bob's Pansy Girl—sets Ayrshire record ... 456
Bolts — Coarse- and fine-thread ... 215
-Tightening ... 359
Boron—for alfalfa ... 270
Bottles—Storage ... 32
Bow — Making pompon 1331
Box elder bugs ... 1020
Breeding—Blueprint for 817
-health ... 148
-heifers ... 1054
-Interval between calving and ... 719-901
-records ... 1027
Breeds — Characteristics of dairy ... 878
-Origin of dairy ... 822
-Type in dairy ... 965
Bridge—Concrete-pipe . 141
Brome grass — Cutting 762
Brown, J. A. (bad-tempered cows) ... 1081
Brown Swiss Cattle Breeders Assn. — annual meeting ... 1323
Brown Swiss cow—sets record (Welcome In Charming Fashion) . 865
-sets record (Welcome In Charming Jewel) 1294
-sets record (White Cloud Larry's Bernetta) ... 865
Brucellosis—Early vaccination for ... 1333
Brush control ... 769
Buildings — Insulating masonry block ... 1144
-Lighting ... 986
Bulls—Handling calves 1054
-Leading ... 855
-Proving ... 691-742
-$75,000 paid for Welcome In Charmer 1233-1292
-Steers vs., as feeders 202
-Studies in New York 1002
Bunk — Hay (portable) 99
Butter—Canadian, surplus ... 395
-European comeback . 140
-Use of, and oleo ... 663
Butterfat differentials . 228

—C—

Cabbage—Feeding ... 283
Cabin—Awning-shutter for summer ... 788
Caffee, V. (machinery maintenance) ... 212
Calf barn — Cleaning with lye ... 1374
Calf shed (Dinsmore Farms) ... 919
California—cow pool .. 1264
-Farmstead improvement in ... 982
Calves — Contract raising on McMillan farm 288
-Deformities in .. 284-1002
-Dehorning ... 134
-Feeding ... 1098-1156
-Feeding (weaning to breeding) ... 1282
-Feeding eggs to ... 86
-Housing ... 878
-Identification methods 993
-Individual shelters .. 42
-Muscle spasms ... 1062
-Raising ... 580-586-992
-Septicemia ... 254
-Sick baby ... 118
-Toxemia ... 691
-Veal ... 1077
-Worming ... 929
Calving—Care of cow at ... 664
-Care of heifer at ... 1172
-Feeding cow at ... 1032
-Interval between, and breeding ... 719-901
-Regular ... 51
Canada — Butter surplus ... 395
-Nat'l. Dairy Authority 631
-Year-round set-aside . 446
Carpets — Stains (removing) ... 74
-Types and designs .. 316
Cars—Heat valves ... 96
Cart—Oil tank ... 99-387
Castration — Tetanus caused by ... 638
Cattle — Breaking, to lead ... 720
-exports drop ... 613
-Selling (handling inquiries) ... 1348
-Summer care ... 929
Cattle chute—construction ... 457
Cattle grubs — Controlling ... 350
Cattle guard ... 513
Ceiling — Holding, material up for nailing 570
Checking account—aids bookkeeping ... 134
Chemicals—Food supply assured by ... 233
-Residues ... 910
-Safety of herbicides . 503
-Safety with ... 793
-Use of, regulated ... 241
-Value of ... 379
Chemicals for — alfalfa and clover insects 610-989
-cattle grubs ... 350
-cockroaches ... 913
-face flies ... 628
-fly control ... 551-628-635
-garlic ... 902
-grasshoppers ... 456-1167
-grub control on heifers ... 1097
-insect control in cupboards ... 1357
-insect control in fall 1219
-internal parasites . 805-902
-Johnson grass ... 462
-leafy spurge ... 714
-onion ... 902
-persimmon sprouts .. 561
-poison ivy ... 902
-quack grass ... 572-846
-spiders ... 663
-stump control ... 111
-thistles ... 902
-water weeds ... 770
-wild oat control ... 368
Chestnut, F., wins Klussendorf Award . 1233
Chimney—Capping ... 719
Cholera—Hog ... 672
Cholesterol ... 1355
Christmas—customs .. 1368
-packages ... 1331
Christmas tree stand . 1277
Christmas trees — burn quickly ... 1310
-Decorating and lighting ... 1331
Cistern—Septic tank . 967
Citrus pulp—Feeding . 293
-silage ... 202
Clothesline — Double-duty ... 727
Clover — Insect control 610
-Poisoning from moldy sweet ... 1078
-seed supply ... 350
Cockroach—control ... 913
Cocky—Cow (Australian dairy farmer) ... 907
Cold—Overexposure to 1310
College—education for farm boys 52-112-180-247-326-394-468
Collins-Crest Burke Juniper — sets Holstein record ... 1333
Colostrum—Freezing . 922
-Protective value of . 1121
Comb—Frozen ... 474
Combine — Rear-view mirror on ... 813
Compaction—Soil ... 964
Compressor — Building air ... 1209-1357
Conception — during pregnancy ... 886
Concrete—bridge ... 141
-Ditch lined with ... 171
-Finishing and curing 1104
-Ordering ready-mix . 987
-Painting ... 935
-Paving barnyard with 807
-Ready-mix ... 1028
Construction — Calf barn ... 961
-Cattle chute ... 457
-Concrete bridge ... 141
-Feed bunk (tilt-up concrete) ... 575
-Grain bin ... 328
-Hay bunk ... 208
-Ladder (swinging) .. 109
-Milk house ... 719
-Planning ... 320
-Pole building ... 142
-Retaining wall ... 608
-Silo (cast-in-place concrete) ... 554
-Tractor-trailer ... 22
-Water tank (concrete) ... 325
-Windproof ... 903
-Workbench ... 82
Corley, E. L., Jr., succeeds Kendrick ... 383
Corn—Alfalfa vs. ... 172
-disease (new) ... 1200
-Drying ... 1020-1157
-Feeding ground ear . 496
-Fertilizers for ... 270-295
-Field shelling ... 1090
-Freezing ear ... 1191
-Harvesting, early .. 1043
-Harvesting, for silage 960
-High-moisture ... 958
-High-moisture (ensiling) ... 1163
-High-sugar, for silage 785
-Picking losses ... 1020
-Planting (equidistant spacing) ... 379
-silage ... 581
-Soft (value of) ... 134
-stands (checking) .. 1106
-Yield estimation ... 1020
-yields affected by light 490
-yields increased with polyethylene film .. 857
Cornerib — built over feeding floor ... 1241
-ventilators .. 815-967-1149
Cornfields—Gleaning . 1260
Corn picker—safety .. 1078
Cornstalks — Plowing under ... 1084
Cottonseed—Feeding .. 429
Cottonwood—posts ... 1269
Cow pool—California . 1264
Cows — Bad-tempered (J. A. Brown farm) 1081
-Boss ... 931
-Cleaning ... 994
-Clipping ... 1310
-Culling ... 14-418-704
-Days in milk ... 418
-Dirt licking ... 58
-Dry period ... 806
-Earning power of .. 1310
-Exercise (importance of winter) ... 14
-Herd life (high-producing 2-year-olds) . 327
-Hot-weather care of 757
-Large, more profitable 872
-Longer life ... 14
-Renting ... 845
Crampiness ... 1298
Credit—Use of ... 270-957
Cricket-control ... 1219
Culling—dairy cows .. 14-418-704
Cultivation—Flame ... 490
Culver, R., (deep-bed stalls and sawdust bedding) ... 1083
-Mechanized feed manger ... 1025
-Portable feed carrier 869
Cummins, R., Star Farmer of America . 1236
Cupboards—Insect control in ... 1357
Custom rates ... 578
Cyanide—poisoning ... 1182
Cysts—Ovarian ... 1182

—D—

Dairy-beef ... 996-1262
Dairy cattle — in Wisconsin ... 1285
Dairy foods—New, developed ... 873
Dairy message — President's ... 290
Dairy products—Disposition of surplus ... 882
-Versilac ... 704
Dairy program — Canadian (year-round set-aside) ... 446
Dairy Shrine — Five dairy leaders honored 1101
Dairy surplus—disposal 157
-Western nations giveaway programs ... 1084
Dairying—Australian . 907
Dairying Overseas 21-163-291-433-547-669-767-856-911-984-1029-1103-1134-1217-1271-1321
Dawdy, M., to edit Jersey Journal ... 1233
Dawson, R. (hay handling) ... 778
Deformities — Malnutrition may cause .. 74
Dehorning—calves ... 134
-Reaction to ... 794
Del Vac Farms ... 1264
DHIA—records pay .. 74
-summaries for 1961-62 ... 50-92
Diarrhea—Bovine virus 585
Diesel — Compression ratio in ... 1319
-Storing, fuel ... 156
Diet—Heart disease and 933
-Nat'l. Dairy Council board of directors' 313-811
Digestion ... 34
-Forage, in cow ... 73
Dinsmore Farms (calf shed) ... 919
Disease—Sudden death 784
Disk—Buying a ... 147
-Swinging, coulter .. 288
Disney, D. (regional Star Farmer) ... 1236
Dispersal — Planning and preparing for .. 1325
Ditch—Concrete-lined . 171
Dock—Barrel ... 788
Dogs—Care of hunting 1140
-Vaccinations for ... 526
Dolly ... 727
Door — anchor (curved rods) ... 1164
-Brace for shed ... 1241
-Storm and screen ... 931
Door handle ... 1107
Drawers—Box ... 1241
Duct—Drying ... 1107
Duffee, F. W., honored by Germans ... 525
Dusting—safety ... 446

—E—

Eastern States Exposition—New show quarters at ... 729
Eastwood, B., to Massachusetts ... 1091
Editorials— A case of making judgments .. 1268
-A good loaf of bread 214
-A growing problem—how to handle manure 858
-A solid dairy record 966
-After the election comes the test of the man ... 814
-All dairymen must benefit from a good dairy program ... 1086
-Animal health month 1086
-Ballots cast by men too far from the farm 768
-Beef price affects milk flow ... 1030
-Beef prices held steady 214
-Benefits from pesticides ... 84
-Bouquet to Eastern studs ... 814
-Bouquet to Grange and Sears ... 1148
-Bouquet to Pet Milk 430
-"Brown sugar" rebuttal differs with production evidence and calendar of events .. 912
-"Brown sugar testimony" ... 662
-Campaign of attrition against handler pools 858
-Challenge to rural youth ... 26
-Christmas ... 1356
-Class I bases . . . "economically sound and in public interest" ... 1268
-Common market bargaining ... 84
-Concentrated milk power ... 1086
-Costs in perspective . 1268
-Dairy subsidies abroad 858
-Dairymen's Class I Base Bill clears Senate, moves to House 1208
-Discount for the wealthy? ... 498
-"Domestic dumping" . . . a 13-billion pound target ... 358
-Eastern pastures are brown, too ... 146
-Emphasis on producer prices ... 1268
-End of the base race? 966
-Farm income builds business ... 282
-Farmers speak from experience on Class I bases ... 26
-Fish oil oleo ... 1268
-$500 million robbery 282
-Founding fathers set example ... 1356
-Four "suits" of dairying ... 1148
-Free stalls at 31 below 214
-Freedom means responsibility ... 136
-Go easy on mastitis . 146
-Good news on fallout 966
-Government payments specter raises head again ... 1318
-Government's role should be limited ... 560
-Health, illusion of longevity ... 358
-High stakes in foreign trade ... 662
-Hold the 75 per cent line ... 214
-How the Senate voted on S-1915 ... 1208
-Imports in perspective ... 768
-In defense of young people ... 84
-Inspection — a trade barrier? ... 214
-Investment in good health ... 26
-Japanese taller with milk ... 1148
-Keep mastitis screening tests in their place 498
-Keeping ahead of free stalls ... 1208
-Let's be positive in selling dairy products 430
-Life in the ivory tower ... 1318
-Midwest and Eastern conflict is unfortunate ... 768
-Milestones in nutrition ... 498
-Milk orders have served well—but need improvement ... 814
-Milking . . . the most important job on the farm ... 1319
-More men know type 146
-More milk for armed services, veterans hospitals ... 614
-Must food lose its flavor? ... 358
-Need farm inspection? ... 814
-New York forecast revised ... 214
-No such thing as a "cheap" building ... 662
-Not a partisan issue 1208
-½-cow per farm ... 146
-$1,900 more net income is result of better forage ... 718
-Open minds in Pierce and Cayuga Counties 498
-Poultry's shining example ... 1086
-President's dairy message is brief . . . and vague ... 282-290
-Proof of production genius ... 430
-Pushing on a string? 84
-Quality standards for manufacturing milk? 560
-Safety — a state of mind ... 614
-Safflower oil vs. butter ... 1318
-Senate committee reports out Class I Base Bill ... 1030
-Separate tax jockeys from bona fide breeders ... 430
-Soft-hearted directors? 1148
-Stewards of the soil 614
-Study animal behavior 84
-Taste has customer appeal ... 966
-Tempest on type ignores gains already made ... 912
-The aftermath of conflict ... 1030
-The "discovery" of milk ... 814
-The New Zealand fence ... 614
-30 per cent drop in price ... 966
-Time for a critical review of milk standards ... 768
-Time to make this year's haying resolution ... 560
-Too clean in free stalls? ... 858
-Top return on your ADA investment ... 718
-Unsaturated fat use up ... 84
-Victory bouquets ... 1208
-Vote wheat on issues 430
-Want to make a forecast? ... 26

KEY TO PAGE NUMBERS

January 10	1-60	July 10	745-796
January 25	61-120	July 25	797-832
February 10	121-188	August 10	833-888
February 25	189-256	August 25	889-944
March 10	257-336	September 10	945-1004
March 25	337-404	September 25	1005-1064
April 10	405-476	October 10	1065-1124
April 25	477-536	October 25	1125-1184
May 10	537-596	November 10	1185-1244
May 25	597-640	November 25	1245-1300
June 10	641-692	December 10	1301-1340
June 25	693-744	December 25	1341-1376

Here is your 1963 . . . index to profitable dairying!

Index to Volume 108
HOARD'S DAIRYMAN

W. D. Hoard and Sons Company, Publishers
Fort Atkinson, Wisconsin

—A—

Abortion—Sporadic ... 691
Acetonemia (ketosis) . 886-1290-1309
Acorns—Poisoning from 1078
ADA—budget for 1964 1147
-"Ozzie and Harriet" continued by ... 520
Agronomists — Meeting 685
Air cleaners ... 657
Air compressor — Making an ... 1209-1357
Alfalfa—Baling ... 683
-Boron for ... 270
-Corn vs. ... 172
-Cutting, in October . 1039
-Insect control in ... 610
-leafhoppers ... 779
-Nutrient deficiency . 852
-pasture ... 677
-Potash needs ... 1050
-seed supply ... 350
-silage ... 708
-Sonora ... 862
-Spraying, before plowing ... 431
-Testing feeding value 166
-yields ... 997
Aliens — Reporting of addresses ... 74
Allergy ... 1242
Aluminum siding ... 958
American Breeders Service—incorporates 525
American Dairy Princess—Godderidge, Sue Ann ... 1146
-Tibesu, Sandra Lee . 721
American Dairy Science Assn.—annual meeting ... 277-855
American Guernsey Cattle Club — annual meeting ... 676
American Jersey Cattle Club — annual meeting ... 820
Ammonia — Applying, during plowing ... 350
Amundson, S. (regional Star Farmer) ... 1236
Anaphylaxis ... 1242
Antifreeze—Draining . 369
Anvil—Homemade ... 813
Appetite—Loss of ... 594
Apple cider—Feeding . 1374
Arizona—Dairy loans . 352
Artificial breeding—Increase in ... 308
-North Central Regional conference ... 308
-Pennsylvania DHIA report (management) 530
-Percentage of dairy cattle bred with ... 865
-Sire health ... 224
-Studs join ... 741
-Young sire program 386
Atrazine—Oat varieties vary in tolerance ... 134
Attic—Insulating ... 1261
Australia—Dairying in 967
Ayrshire Breeders' Assn.—annual meeting ... 674
Ayrshire cow—sets record (Bob's Pansy Girl) ... 456

—B—

"Bagging" — cows for showing ... 1136
Bale throwers ... 728
Bales — Drying 12-inch cubic ... 458
-Hauling, off field .. 725
-Unloading, with truck 453
Barley—Feeding ... 147
Barn—Bull ... 1055
-Calf ... 961
-Free-stall ... 76-970-1021-1202-1204
-insulation ... 215
-temperature ... 402
-ventilation ... 27-913-1031-1357
-Winterizing ... 1146
Barnyard—Paving, with blacktop ... 847
-Paving, with concrete 807
Barr, Dr. H. L., succeeds C. Blackman . 1090
Basement—Waterproofing concrete ... 719
Basil Johnny's Eva Souvenir—sets Jersey record ... 35
Batteries—Ampere-hour ratings ... 283
-Charging ... 1310
-Explosion of ... 1319
-Freezing ... 1149
-Tractor ... 27
Battery charger ... 134
Baushke, K., manages Michigan Artificial Breeders ... 1291
Beacon Bas Patience — sets Jersey record .. 161
Beams—Strengthening . 880
Bedding—Free stalls reduce, costs ... 970
-Sawdust ... 1083
-Spreading, with mower ... 161
-Straw (harvesting) . 977
-Wood chips ... 27
Beef—Dairy ... 996-1262
Beef cattle — in Wisconsin ... 1285
Beet pulp — Feeding .. 293
Belt — Emergency, for power tool ... 32
Berries — Keep birds from ... 620
Birdsfoot trefoil — hay 29
Birth—Rare ... 186
Births—Multiple ... 1343
Blackleg ... 442
Blackman, C., succeeded by Dr. H. L. Barr 1090
Blacktop—barnyards .. 847
Blalock, C., succeeded by M. Senger ... 909
Blanket—Making a calf 684
Bloat—Chronic ... 1242
-prevention ... 1002
Blower—Holds, in place 727
Bob's Pansy Girl—sets Ayrshire record ... 456
Bolts — Coarse- and fine-thread ... 215
-Tightening ... 359
Boron—for alfalfa ... 270
Bottles—Storage ... 32
Bow — Making pompon 1331
Box elder bugs ... 1020
Breeding—Blueprint for 817
-health ... 148
-heifers ... 1054
-Interval between calving and ... 719-901
-records ... 1027
Breeds — Characteristics of dairy ... 878
-Origin of dairy ... 822
-Type in dairy ... 965
Bridge—Concrete-pipe . 141
Brome grass — Cutting 762
Brown, J. A. (bad-tempered cows) ... 1081
Brown Swiss Cattle Breeders Assn. — annual meeting ... 1323
Brown Swiss cow—sets record (Welcome In Charming Fashion) . 865
-sets record (Welcome In Charming Jewel) 1294
-sets record (White Cloud Larry's Bernetta) ... 865
Brucellosis—Early vaccination for ... 1333
Brush control ... 769
Buildings — Insulating masonry block ... 1144
-Lighting ... 986
Bulls—Handling calves 1054
-Leading ... 855
-Proving ... 691-742
-$75,000 paid for Welcome In Charmer 1233-1292
-Steers vs., as feeders 202
-Studies in New York 1002
Bunk — Hay (portable) 99
Butter—Canadian, surplus ... 395
-European comeback . 140
-Use of, and oleo ... 663
Butterfat differentials . 228

—C—

Cabbage—Feeding ... 283
Cabin—Awning-shutter for summer ... 788
Caffee, V. (machinery maintenance) ... 212
Calf barn — Cleaning with lye ... 1374
Calf shed (Dinsmore Farms) ... 919
California—cow pool .. 1264
-Farmstead improvement in ... 982
Calves — Contract raising on McMillan farm 288
-Deformities in .. 284-1002
-Dehorning ... 134
-Feeding ... 1098-1156
-Feeding (weaning to breeding) ... 1282
-Feeding eggs to ... 86
-Housing ... 878
-Identification methods 993
-Individual shelters .. 42
-Muscle spasms ... 1062
-Raising ... 580-586-992
-Septicemia ... 254
-Sick baby ... 118
-Toxemia ... 691
-Veal ... 1077
-Worming ... 929
Calving—Care of cow at ... 664
-Care of heifer at ... 1172
-Feeding cow at ... 1032
-Interval between, and breeding ... 719-901
-Regular ... 51
Canada — Butter surplus ... 395
-Nat'l. Dairy Authority 631
-Year-round set-aside . 446
Carpets — Stains (removing) ... 74
-Types and designs .. 316
Cars—Heat valves ... 96
Cart—Oil tank ... 99-387
Castration — Tetanus caused by ... 638
Cattle — Breaking, to lead ... 720
-exports drop ... 613
-Selling (handling inquiries) ... 1348
-Summer care ... 929
Cattle chute—construction ... 457
Cattle grubs — Controlling ... 350
Cattle guard ... 513
Ceiling — Holding, material up for nailing 570
Checking account—aids bookkeeping ... 134
Chemicals—Food supply assured by ... 233
-Residues ... 910
-Safety of herbicides . 503
-Safety with ... 793
-Use of, regulated ... 241
-Value of ... 379
Chemicals for — alfalfa and clover insects 610-989
-cattle grubs ... 350
-cockroaches ... 913
-face flies ... 628
-fly control ... 551-628-635
-garlic ... 902
-grasshoppers ... 456-1167
-grub control on heifers ... 1097
-insect control in cupboards ... 1357
-insect control in fall 1219
-internal parasites . 805-902
-Johnson grass ... 462
-leafy spurge ... 714
-onion ... 902
-persimmon sprouts .. 561
-poison ivy ... 902
-quack grass ... 572-846
-spiders ... 663
-stump control ... 111
-thistles ... 902
-water weeds ... 770
-wild oat control ... 368
Chestnut, F., wins Klussendorf Award . 1233
Chimney—Capping ... 719
Cholera—Hog ... 672
Cholesterol ... 1355
Christmas—customs .. 1368
-packages ... 1331
Christmas tree stand . 1277
Christmas trees — burn quickly ... 1310
-Decorating and lighting ... 1331
Cistern—Septic tank . 967
Citrus pulp—Feeding . 293
-silage ... 202
Clothesline — Double-duty ... 727
Clover — Insect control 610
-Poisoning from moldy sweet ... 1078
-seed supply ... 350
Cockroach—control ... 913
Cocky—Cow (Australian dairy farmer) ... 907
Cold—Overexposure to 1310
College—education for farm boys 52-112-180-247-326-394-468
Collins-Crest Burke Juniper — sets Holstein record ... 1333
Colostrum—Freezing . 922
-Protective value of . 1121
Comb—Frozen ... 474
Combine — Rear-view mirror on ... 813
Compaction—Soil ... 964
Compressor — Building air ... 1209-1357
Conception — during pregnancy ... 886
Concrete—bridge ... 141
-Ditch lined with ... 171
-Finishing and curing 1104
-Ordering ready-mix . 987
-Painting ... 935
-Paving barnyard with 807
-Ready-mix ... 1028
Construction — Calf barn ... 961
-Cattle chute ... 457
-Concrete bridge ... 141
-Feed bunk (tilt-up concrete) ... 575
-Grain bin ... 328
-Hay bunk ... 208
-Ladder (swinging) .. 109
-Milk house ... 719
-Planning ... 320
-Pole building ... 142
-Retaining wall ... 608
-Silo (cast-in-place concrete) ... 554
-Tractor-trailer ... 22
-Water tank (concrete) ... 325
-Windproof ... 903
-Workbench ... 82
Corley, E. L., Jr., succeeds Kendrick ... 383
Corn—Alfalfa vs. ... 172
-disease (new) ... 1200
-Drying ... 1020-1157
-Feeding ground ear . 496
-Fertilizers for ... 270-295
-Field shelling ... 1090
-Freezing ear ... 1191
-Harvesting, early .. 1043
-Harvesting, for silage 960
-High-moisture ... 958
-High-moisture (ensiling) ... 1163
-High-sugar, for silage 785
-Picking losses ... 1020
-Planting (equidistant spacing) ... 379
-silage ... 581
-Soft (value of) ... 134
-stands (checking) .. 1106
-Yield estimation ... 1020
-yields affected by light 490
-yields increased with polyethylene film .. 857
Cornerib — built over feeding floor ... 1241
-ventilators .. 815-967-1149
Cornfields—Gleaning . 1260
Corn picker—safety .. 1078
Cornstalks — Plowing under ... 1084
Cottonseed—Feeding .. 429
Cottonwood—posts ... 1269
Cow pool—California . 1264
Cows — Bad-tempered (J. A. Brown farm) 1081
-Boss ... 931
-Cleaning ... 994
-Clipping ... 1310
-Culling ... 14-418-704
-Days in milk ... 418
-Dirt licking ... 58
-Dry period ... 806
-Earning power of .. 1310
-Exercise (importance of winter) ... 14
-Herd life (high-producing 2-year-olds) . 327
-Hot-weather care of 757
-Large, more profitable 872
-Longer life ... 14
-Renting ... 845
Crampiness ... 1298
Credit—Use of ... 270-957
Cricket-control ... 1219
Culling—dairy cows .. 14-418-704
Cultivation—Flame ... 490
Culver, R., (deep-bed stalls and sawdust bedding) ... 1083
-Mechanized feed manger ... 1025
-Portable feed carrier 869
Cummins, R., Star Farmer of America . 1236
Cupboards—Insect control in ... 1357
Custom rates ... 578
Cyanide—poisoning ... 1182
Cysts—Ovarian ... 1182

—D—

Dairy-beef ... 996-1262
Dairy cattle — in Wisconsin ... 1285
Dairy foods—New, developed ... 873
Dairy message — President's ... 290
Dairy products—Disposition of surplus ... 882
-Versilac ... 704
Dairy program — Canadian (year-round set-aside) ... 446
Dairy Shrine — Five dairy leaders honored 1101
Dairy surplus—disposal 157
-Western nations giveaway programs ... 1084
Dairying—Australian . 907
Dairying Overseas 21-163-291-433-547-669-767-856-911-984-1029-1103-1134-1217-1271-1321
Dawdy, M., to edit Jersey Journal ... 1233
Dawson, R. (hay handling) ... 778
Deformities — Malnutrition may cause .. 74
Dehorning—calves ... 134
-Reaction to ... 794
Del Vac Farms ... 1264
DHIA—records pay .. 74
-summaries for 1961-62 ... 50-92
Diarrhea—Bovine virus 585
Diesel — Compression ratio in ... 1319
-Storing, fuel ... 156
Diet—Heart disease and 933
-Nat'l. Dairy Council board of directors' 313-811
Digestion ... 34
-Forage, in cow ... 73
Dinsmore Farms (calf shed) ... 919
Disease—Sudden death 784
Disk—Buying a ... 147
-Swinging, coulter .. 288
Disney, D. (regional Star Farmer) ... 1236
Dispersal — Planning and preparing for .. 1325
Ditch—Concrete-lined . 171
Dock—Barrel ... 788
Dogs—Care of hunting 1140
-Vaccinations for ... 526
Dolly ... 727
Door — anchor (curved rods) ... 1164
-Brace for shed ... 1241
-Storm and screen ... 931
Door handle ... 1107
Drawers—Box ... 1241
Duct—Drying ... 1107
Duffee, F. W., honored by Germans ... 525
Dusting—safety ... 446

—E—

Eastern States Exposition—New show quarters at ... 729
Eastwood, B., to Massachusetts ... 1091
Editorials— A case of making judgments .. 1268
-A good loaf of bread 214
-A growing problem—how to handle manure 858
-A solid dairy record 966
-After the election comes the test of the man ... 814
-All dairymen must benefit from a good dairy program ... 1086
-Animal health month 1086
-Ballots cast by men too far from the farm 768
-Beef price affects milk flow ... 1030
-Beef prices held steady 214
-Benefits from pesticides ... 84
-Bouquet to Eastern studs ... 814
-Bouquet to Grange and Sears ... 1148
-Bouquet to Pet Milk 430
-"Brown sugar" rebuttal differs with production evidence and calendar of events .. 912
-"Brown sugar testimony" ... 662
-Campaign of attrition against handler pools 858
-Challenge to rural youth ... 26
-Christmas ... 1356
-Class I bases . . . "economically sound and in public interest" ... 1268
-Common market bargaining ... 84
-Concentrated milk power ... 1086
-Costs in perspective . 1268
-Dairy subsidies abroad 858
-Dairymen's Class I Base Bill clears Senate, moves to House 1208
-Discount for the wealthy? ... 498
-"Domestic dumping" . . . a 13-billion pound target ... 358
-Eastern pastures are brown, too ... 146
-Emphasis on producer prices ... 1268
-End of the base race? 966
-Farm income builds business ... 282
-Farmers speak from experience on Class I bases ... 26
-Fish oil oleo ... 1268
-$500 million robbery 282
-Founding fathers set example ... 1356
-Four "suits" of dairying ... 1148
-Free stalls at 31 below 214
-Freedom means responsibility ... 136
-Go easy on mastitis . 146
-Good news on fallout 966
-Government payments specter raises head again ... 1318
-Government's role should be limited ... 560
-Health, illusion of longevity ... 358
-High stakes in foreign trade ... 662
-Hold the 75 per cent line ... 214
-How the Senate voted on S-1915 ... 1208
-Imports in perspective ... 768
-In defense of young people ... 84
-Inspection — a trade barrier? ... 214
-Investment in good health ... 26
-Japanese taller with milk ... 1148
-Keep mastitis screening tests in their place 498
-Keeping ahead of free stalls ... 1208
-Let's be positive in selling dairy products 430
-Life in the ivory tower ... 1318
-Midwest and Eastern conflict is unfortunate ... 768
-Milestones in nutrition ... 498
-Milk orders have served well—but need improvement ... 814
-Milking . . . the most important job on the farm ... 1319
-More men know type 146
-More milk for armed services, veterans hospitals ... 614
-Must food lose its flavor? ... 358
-Need farm inspection? ... 814
-New York forecast revised ... 214
-No such thing as a "cheap" building ... 662
-Not a partisan issue 1208
-½-cow per farm ... 146
-$1,900 more net income is result of better forage ... 718
-Open minds in Pierce and Cayuga Counties 498
-Poultry's shining example ... 1086
-President's dairy message is brief . . . and vague ... 282-290
-Proof of production genius ... 430
-Pushing on a string? 84
-Quality standards for manufacturing milk? 560
-Safety — a state of mind ... 614
-Safflower oil vs. butter ... 1318
-Senate committee reports out Class I Base Bill ... 1030
-Separate tax jockeys from bona fide breeders ... 430
-Soft-hearted directors? 1148
-Stewards of the soil 614
-Study animal behavior 84
-Taste has customer appeal ... 966
-Tempest on type ignores gains already made ... 912
-The aftermath of conflict ... 1030
-The "discovery" of milk ... 814
-The New Zealand fence ... 614
-30 per cent drop in price ... 966
-Time for a critical review of milk standards ... 768
-Time to make this year's haying resolution ... 560
-Too clean in free stalls? ... 858
-Top return on your ADA investment ... 718
-Unsaturated fat use up ... 84
-Victory bouquets ... 1208
-Vote wheat on issues 430
-Want to make a forecast? ... 26

KEY TO PAGE NUMBERS

January 10	1-60	July 10	745-796
January 25	61-120	July 25	797-832
February 10	121-188	August 10	833-888
February 25	189-256	August 25	889-944
March 10	257-336	September 10	945-1004
March 25	337-404	September 25	1005-1064
April 10	405-476	October 10	1065-1124
April 25	477-536	October 25	1125-1184
May 10	537-596	November 10	1185-1244
May 25	597-640	November 25	1245-1300
June 10	641-692	December 10	1301-1340
June 25	693-744	December 25	1341-1376

-What the late President said about milk and dairying 1356
-Wheat aftermath ... 718
-Where is "average" man? 1148
-Who should control bases? 858
-Why not speak up for capitalism? 662
-Why retreat on oleo? 26
-Wisconsin and Minnesota under oleo attack 614
-Your high stake in international "horse trading" 560
-Zero weather brings drop in milk and meat 358
Efflorescence—on basement walls 1209
Eggs—Blood spots 816-1170
-Clean (producing) .. 1281
-Feeding, to calves and pigs 86
-Hatchability 1170
-Mechanical gathering 226
Electric fence 913
-controllers 233
-Safety 656
-Training heifers for 304
-Unshortable (New Zealand) 294-614
Electronic recordkeeping 1260-1265
Elevator—cover 931
ELFAC 1265
Elm—Dutch, disease .. 978
Energy — required to climb stairs 561
Engine—Pulsations ... 663
Enterotoxemia ("sudden death" disease) 784
Epilepsy 58
Epoxies—Plastic 135
Equipment — Winterizing 1152
-Winterizing garden . 1260
Erosion—Seedbeds check 235
-Waterways (grass) . 490
Europe — Comeback of butter in 140
European Economic Community — Series on 678-724-775-812
Exports — Cattle, drop 613
Eyes—Inflamed 794

—F—

Face fly—control 628
Fair—Showing at the . 822
Fan—Moisture in kitchen 85
-removes paint spray 387
Farm—Highway cutting through 1199
-Migration off 80
-Owning or renting .. 202
-Productivity of 176
-Two-man dairy 723
Farm shop — Value of (plan) 1311
Farmers — Distribution 619
Farmstead — improvement in California .. 982
Fat—Research (monks) 862
Faucet—Mixer, provides wash water for cows 99
Feed—Moldy 58
Feed bins—Bulk 979
Feed box—Barrel 931
-Hay and grain 304
Feed bunk 813
-Portable 1051
-Tilt-up concrete 575
Feed carrier 869
Feed cart—Sheet metal 304
Feed mill—Selection .. 272
Feeder—Bunk 846
-Milk can 451
Feeders—Bulls vs. steers 202
Feeding—barley 147
-beet pulp 293
-birdsfoot trefoil hay . 20
-cabbage 283
-calves 1095-1156
-calves from weaning to breeding 1232
-changes 1356
-cider 1374
-citrus pulp 293
-concentrates 725
-concentrates and hay 364
-corn (ground ear) .. 496
-cottonseed 429
-Dry-period 962
-eggs to calves and pigs 86
-fresh cows 1032
-grain free-choice ... 1019
-hay and concentrates 364
-hay or silage or both 848
-heifers 630-703-1098
-high-energy rations . 382
-High-grain 624-1370
-milo 1260
-minerals 526
-molasses 220
-pellets 444
-protein 1274-1335
-rye 147
-salt 307-418
-stilbestrol 682
-Udder edema and relation to 1374
-Unlimited 909
-urea 864
-vitamin A ... 594-709-976
Feeding machine—Automatic 704
Fence — Easy-to-remove 979
-Electric 913
-Electric, controllers . 233
-Gas pipe 304-451
-Pipe and cable 705
-Portable 1107
-Silo 727
-Treated 14
Fertilizers—Ammonia . 350
-Bulk blending 588
-Corn 270-295
-Dairy waste 330
-Dual label 902
-Forage 138-203-906
-Lime and 925-1080
-Nitrogen application 270-464
-Pasture 846
-Salt-type, melt ice .. 1207
-Use of 245
Fetlock—knuckling ... 334
FFA—membership 879
Fillpail Dandy Queen—sets Jersey record .. 1291
Fire—drills 1147
-Dry hydrants for rural, fighting 658
-Farm, toll 865
Fire departments—Rural 456
Fish—Raising, in pond 370
Flagpole holder 880
Floors—Slotted 550-852
-Waxing vinyl 818
-Wood 91
-Fly control 551-628-635-865
Foals—Formula for .. 691
Foil—harmless 1374
Food — American, supply safe 79
-storage (vitamin K-5) 1200
Foot trouble — Growth between toes 886
-Growth on hoof 638
-Infection 594
-inherited 794
Forages—Annuals 489
-Choosing, to fit soil . 420
-Digestion 72
-Fertilizer and management program for 78-138-203-271-353-906
-Making quality 13-179-706
-New varieties 286
-Pelleting 444
-Penn. programs 868
-Seeding 553
-Series on .. 13-78-138-203-276-353-420-489-555-609-655-706-762-808-848-906-960-1022-1080-1142-1205-1261
-Study of quality 958
-Substitutes for hay . 216
-Testing 1261
-Testing (new method) 758
-Testing results 977
-Thin stands 655
-Year-round use of .. 1205
Ford, J. (regional Star Farmer) 1236
Forest Greene Jocko Pilot — sets Holstein record 1333
4-H — dairy foods winners 525
-meetings 630
-Nat'l., dairy winners 92
Free stalls 1021
-Bedding costs reduced 970
-Guidelines for (Wis.) 1204
-Round Table on .. 76-1202
Freemartin—calved ... 742
Frogs—Raising 99
From Day to Day .. 44-103-174-236-317-390-460-518-582-626-686-730-780-818-874-927-991-1048-1108-1168-1231-1278-1330-1364
Frostbite—Kerosene for 1298
-Treating 1310
Fuel—Storing diesel .. 156
-Tractor, compared .. 1269
Funnel—Plastic 32
Furniture—fashions .. 875
-Traditional 461

FARM WRITE-UPS

Brown, J. A. (bad-tempered cows) ... 1081
Caffee, V. (machinery maintenance) 212
Culver, R. (deep-bed stalls and sawdust bedding) 1083
-(mechanized manger) 1025
-(portable feed carrier) 869
Dawson, R. (hay handling) 778
Del Vac Farms 1264
Dinsmore Farms (calf shed) 919
Harkey, J. and L. A. Richards (rolling gate) 467
Kooyman Brothers (pipe and cable fences) .. 705
McMillan, N. and F. (contract calf nursing) 388
Meier, R. (irrigation) 322
Meixsler, D. (heating milking parlor) 969
Preston, J. (milking parlor for warm climates) 162
Richards, L. A., and J. Harkey (rolling gate) 467
Roush, E. E. (success in dairying) 1349
Schwanke, R. (improved milk production) ... 40
Stangel, V. (heating milking parlor) 1141
Terry, E., and sons (veterinary pen) ... 177
Torres, D. (truck for stacking and loading bales) 453
Van Syckle, R. (grain bin) 328
Welch Brothers (Holstein herd) 1023

—G—

Gadgets—Household .. 990
Gangrene 824
Garlic—Wild, control . 902
Gas—Methane, for heat 967
Gasoline — vapors dangerous 46
Gate—Draftproof 1107
-Pipe 1241
-Rolling 467
-Silencer for 813
-Swinging 385
Generators — Hooking up standby 361
Gestation—Prolonged . 402
Gift wrapping 1331
Godderidge, Sue Ann (American Dairy Princess) 1146
Golden Guernsey Cooperative—Payment for milk 883
Gophers—Bait applicator 867
Grafting—Bridge, trees 395
Grain — Feed, supplies and prices 1260
-Forages replace 179
-Free-choice 1019
-High, feeding ... 624-1370
-Protect, in bins 1260
Grain bin—construction 328
Grass—management .. 160
Grasshoppers — Control 456
-New poison for 1167
Grass silage — (Low-moisture (Round Table) 204
Grinder—Beach 304
-Portable shaft 880
-Stand for (portable) 570
Grindstone 161
Groves, W. F., dies .. 909
Grubs — Systemics for heifer 1097
Guernsey cow—sets record (Ideal's Beacon's Nora) 166
-sets record (Ideal's Beacon's Rosette) .. 398
Guinea pigs — test hay varieties 350
Gutter standing 334

—H—

Hair—Loss of 1338
Halter—Rope 735
Hammer—handle (preserving) 788
-tool cleaner 231
Handle — Rubber, for feed scoop 1277
Hard surfacing 48-1112
Hardware — Keeping, out of feed 787
Harkey, J., and L. A. Richards (rolling gate) 467
Harris, B., Jr., succeeds T. W. Sparks . 1291
Haven Hill Crescent Gewina Count—sets Holstein record 176
Hay—Moisture use ... 606
-quality (measuring) . 202
-temperature 1078
-Testing, varieties with guinea pigs 350
-wafering 490
Hoylage—additive 683
Hay mank — Constructing 208
Hay conditioners 607
Hay drying — Dawson farm 778
-Pole shed 514
-12-inch cubic bales .. 458
Haykeeper—Spoilage in 719
Haymow—Grain binder roller on door sill of 513
-Window in 788
Health—Breeding 148
Health records — Lifetime 1143
Heart disease — Diet and 933-1355
-Ubell on diet and ... 53
Heat—Bleeding after . 526
-intervals 186
-Irregular 830
-Silent 254
Heat valves 96
Heating—home 14
-milk room 1357
-milking parlor 15
-milking parlor (V. Stangel) 1141
Heifers—Breeding 1054
-Care at calving ... 1172
-Conditioning for showing 684-773
-Feeding 630-703-1098
-Milking first-calf ... 1116
-Pasture care of 886
-Selecting dairy 524
Heiser, E. E., succeeded by R. P. Niedermeier 868
Hematoma (swelling) . 830
Hepatitis—Infectious . 704
Herbicides—Disappearance rate 179
-Residues 503
Herd—Enlarging? 1139
-health maintenance (preventive medicine) 75
-health records (lifetime) 1143
-size 133
Herdmate comparison . 418
Herdsman's diary—announced 452
Herdsmanship — Checking cattle at night .. 504
Heritability 972
Hernias 1196
Hibbs, J. W., wins AFMA Award 777
Highway—Farm cut up by 1199
-Tractor accident risk 1175
Hitch — Ball joint for trailer 1051
-Wagon, pin 513
Hock—Abnormal, joint 1182
Hog rings—on poll of cow 931
Hogs—Air conditioning 654
-Antibiotics 449
-Atrophic rhinitis ... 1350
-Brood sows and gilts (feeding) 776
-Cholera 672
-Cholera (short immunity from colostrum) 806
-Confinement, chew partitions 1140
-Death (sudden) 1062
-Farrowing 152
-Farrowing (sows vs. gilts) 581
-Farrowing (winter) . 28
-Feed (medium-grind best) 606
-Feeding (frequent) . 134
-Feeding baby pigs .. 1234
-Feeding eggs to weanling pigs 86
-Housing (pigs per pen) 418
-Jowl abscesses 594
-Litter size 1106
-Manure lagoons 981
-Production pattern . 298
-Roundworms 758
-Salt for 202-902
-Slotted floors 74-550
-Sow records 871-1324
-Stiff joints and lumps 58
-Swollen joints 474
-Transmissible gastroenteritis (TGE) 686
-Ulcers 550
Hoist—Wagon 1164
Holstein cow—sets record (Collins-Crest Burke Juniper) 1333
-sets record (Forest Greene Jocko Pilot) 1333
-sets record (Haven Hill Crescent Gewina Count) 176
-sets record (Princess Breezewood R A Patsy) 35
Holstein-Friesian Assn. —annual meeting ... 782
Holsteins—Wisconsin . 1285
Home — Heat loss prevention 1140
-siding 27
-ventilation 27-1087
-weatherproofing 331
Hoof—Growth on 638
Hook—Hay 788
Hookworms 830
Hopper—Gravel 304
Horns—Removing 932
Horse — Supplementing diet of 118
-Watering 638
Hot weather — Care of cows in 757
Household—aids 990
Hunger—Freeing world from 1259
Hunting laws—Know . 1140
Hydrants—Fire (dry) . 658
Hyperkeratosis (X-disease) 606

—I—

IBR infection 186
Ice — Melt, with salt-type fertilizers 1207
Ideal's Beacon's Nora—sets Guernsey record 166
Ideal's Beacon's Rosette —sets Guernsey record 398
Income tax—Figuring 1238-1284-1314-1346
Indigestion 34
Inflations — Lye solution for milker 160
-Self-sanitizing 18
-Tank stopper made from 32
Insects—Built-in control in plants 161
-Control of alfalfa and clover 610
-Fall control 1219
Insulation—Barn 215
-Cutting, blankets ... 1051
-Masonry block building 1144
Interest rates—Figuring 957
Interior decorating ... 175
-Carpets and rugs ... 316
-Furniture 481-875
-Lighting 781
-Painting 45
-Picture hanging 1230
-Room dividers 1109
-Storage space 583
-Window shades 681
Internat'l. Dairy Show —Dates of 1207
Intestines—Inflamed ... 34
Investment credit 14
Iodine 131—Stored feed blocks 704
Irrigation (Reuben Meier farm) 322
-costs 446
-Fall 879
-Moisture losses 1115
-pipes (protecting) .. 1150
-pump (checking) ... 654
-seepage loss 208

—J—

Jersey cow—sets record (Basil Johnny's Eva Souvenir) 35
-sets record (Beacon Bas Patience) 161
-sets record (Fillpail Dandy Queen) 1291
-sets record (Mermaid Marshall Mary) 777
Jersey Nat'l. Show — Report of 1286
-Ringside notes from 1289
Jersey Show—Kentucky, and Sale 613
Johnson grass—control 462
Judging—Tips on ... 52-79-166-181-326-586
Judging contest—Cows in Hoard's Dairyman 2-62-122-190-258
-Internat'l 4-H dairy cattle (Maryland wins) 993
-Judges and reasons in Hoard's Dairyman 493
-Placings in Hoard's Dairyman 492
-Production records of cows in Hoard's Dairyman 421-577
-Scoring key in Hoard's Dairyman 492
-Winners in Hoard's Dairyman 552
June Dairy Month 671

—K—

Kendrick, J. F., succeeded by Corley ... 383
Kentucky—Jersey Show and Sale 613
Kerosene—for frostbite 1298
Ketosis (acetonemia) . 886-1309
-New test developed . 1200
Key—Safety 620
Klussendorf Award — Chestnut, F., wins .. 1233
Kooyman Brothers (pipe and cable fences) ... 705
Kopland, D. V., dies . 1333

—L—

Labels—Read directions 1298
Labor—Round Table on hired farm 1352
Laboratories — Disease control 830
Ladder—Swinging, for hay chute 109
Lagoons—Manure 981
Lambs — Slotted-floor

raising 1020
Lamp—Portable 513
Latches—Calf pen 727
Lawn—maintenance ..... 490-..... 500-563
-mowing 654
-Watering 758
Lawn mower—safety .. 806
-Winterizing 1078
Lead—Breaking cattle to 720
Leafhoppers—Alfalfa . 779
Leafy spurge—control 714
Leaking dairy cows .. 845
Legumes—Cutting 609
Leptospirosis 1114
Let-down—Milk .. 934-1338
Leukemia 1078
Light stand 1241
Lighting—Farm buildings 986
-Home (indoor and outdoor) 781
Lightning—Precautions against 606-764
Lightning rods 1089
Lightning stroke 742
Lime—Applying 276-925
-Importance of 1080
-Silage treated with . 846
Loading chute — Portable 1277
Loans — Dairy, in Arizona 352
Longevity—Select for . 909
Longmeadow Farms Dairy 419
Lovell—succeeds Tuck . 771
Lott, J.J., named Jersey fieldman 1084
Lumber—Treating 849
Lump—on Bang's vaccination 742
-on cow's neck 186
Lumpy jaw 89-726-1002-1121
Lye—Cleaning with .. 1374

—M—

Machinery—Buying used 450
-Earning power 494
-maintenance (V. Caffee farm) 212
-transport 1277
-Winterizing 1152
Mad itch (pseudorabies) 638
Magnets—Administering 402
Mailbox—Auger pest . 32
Malnutrition — Deformities may be caused by 74
Management — Differences in 269
-Two-man dairy farm 723
Manger — Mechanized 1025
Manure—Applying barn 1310
-disposal 221
-Feeding value of ... 1200
-Handling poultry (droppings) 357
-lagoons 981
Manure loader — Hydraulic cylinders ... 663
Manure spreader — Cleaning 1277
Maryland—wins Intern'l. 4-H dairy cattle judging contest .. 993
Mastitis — Acute ("hot quarters") 1212
-Booklet on, available 1283
-control in Great Britain, Germany, and Denmark 1046
-Dry cow treatment . 1351
-Round Table on 1312
-test (Michigan) 729
Mats—Rubber, for cows 1045
McGinnis, W. C., Jersey fieldman 46
McMillan, N. and F. (contract calf nursing) 388
Medicine—Preventive . 75
-Preventive (R. Table) 136
-Russia lagging in .. 81
-Safety with (read labels) 1298
Meeting—Tips on, attendance 43
Meier, R. (irrigation) 322
Meiskeler, D. (heating milking parlor) 969
Mermaid Marshall Mary —sets Jersey record 777
Metering device—Feed 704
Milk—Artificial 398
-Concentrated 312-862
-Filled, disapproved for infants 46
-Foam spray method dries 179
-Military, ration tripled 619
-Nutrient value of . 113
-Off-flavored .. 270-351-418
-Payment for, on basis of protein and fat content 883
-Penicillin in 384
-Plant, not for babies 622
-Quality (producing) . 1290
-quality (summer) ... 654
-quality (winter) 1350
-Quality standards for manufacturing 549
-Sampling 619
-Sanitizers 1024
-Scout Jamboree 811
-SNF in 958
-"2-10" 924
-Utilization of 1149
Milk can—Articles made from 979
Milk fever — Ration to prevent 334-942-1062
Milk house — construction 719
Milk inspection 201-214
Milk let-down 934-1338
Milk marketing — Midwest, conference 396
-Round Table on 16
-Southeast, conference 361
-Southwest, conference 361
Milk pail—Etching ... 979
Milk production—Drop 1121
-Hot weather 653
Milk products — Farm share of, dollar decline 364
Milk room—Heating .. 1357

Milk testing—Britain's new, machine 381
Milking—1st-calf heifer 1116
-food 741
Milking intervals . 605-1350
Milking machine — Cleaning and sanitizing 230
-inflations (self-sanitizing) 18
-Muffler on, motor .. 32
-Removing 1227
-Research on number of units most efficient 74
-vacuum 270-1350
Milking parlor — for warm climates 162
-Heating 15
-Heating (V. Stangel farm) 1141
-Veterinary ward on side of 177
-Waste disposal 349
Milking parlor "disease" 216
Milo—Feeding 1260
Minerals—Feeding 526
Molasses—Feeding 220
Mold—Black, control . 27
Moss—Roof 769
Motors—Electric 850
-Mixer 880
-Split-phase 85
Mouth—Sores in ... 402-942
Mower—Lawn, safety . 806
-Lawn, winterizing .. 1078
-Repairing 550
-Spreading bedding .. 161
Muffler—Milker motor 32

—N—

Nails—Driving 513
-Grooved 445
Nat'l. Assn. of Artificial Breeders—annual meeting dates 176
-Officers of 1165
Nat'l. Brucellosis Committee—annual meeting dates 176
Nat'l. Champion Holstein Awards 787
Nat'l. Dairy Cattle Congress — Judging contest winners ... 1171-1173
-Reports from ..... 1160-..... 1206-1226-1294
-Ringside notes 1228
Nat'l. Dairy Council—annual meeting 277
-attacks fad diets 313
-protests Ubell diet-heart series 53
Nat'l. Farm Safety Week 774
Nat'l. Milk Producers — "Young Cooperators" group 179
Navel—Swelling 1374
Nebraska—dairy course 1288
Needlework — and patterns . 44-103-173-174-236-317-318-390-460-518-582-626-680-730-780-818-874-927-991-.. 1048-1108-1168-1231-1278-..... 1330-1364
Nests — Storage bins made from discarded 788
New Zealand—Electric fence developed in 294-614
Niedermeier, R. P., succeeds Heizer 868
Nitrate poisoning 719
Nitrogen—Applying 276-464
Norvic Farm—Premier Breeder at National Dairy Cattle Congress 1294

—O—

Oats—silage 654
-Sowing 183
-Top-dressing with nitrogen 227
-Varieties vary in tolerance toward atrazine 134
-Wild, control 368
Off-flavors—Milk ..... 270-..... 351-418
Office—Farm 438
Oil—additives 615
-Changing 663-1319
-Checking route of engine 215
-consumption 165
-Detergent engine ... 359
-Drain transmission . 1209
-filters 859-1357
-pressure 615
Oleo—Use of butter and 663
Onion—Wild, control . 902
Orcharding 206
Outlet—Temporary electrical 620
Ovaries—Cystic ... 691-1182
"Ozzie and Harriet"—ADA continues 520

—P—

Paint—mixer 1164
-Removing excess, from brush 620
-Texture 178
Painting—concrete ... 935
-Interior home 45
Parasites — Internal 805-902
Paratyphoid infection . 90
Parloritis (milking parlor "disease") 216
Pasture—Alfalfa 677
-Annuals for 489
-fertilization 846
-Mowing permanent . 654
-Nitrogen for 270-464
-Planning and management 522
-renovation (chemical and mechanical) ... 350
-rental rates 958
-Rotation grazing ... 576
Patio—Picnic 979
Patterns — and needlework . 44-103-173-174-236-317-318-390-460-518-582-626-680-730-780-818-874-927-991-.. 1048-1108-1168-1231-1278-..... 1330-1364
Pellets—Forage 444
Pen — Veterinary (E. Terry and sons) 177
Penicillin—in milk ... 384
Pennsylvania — Study of management on, farms 269
Pens—Gas pipe 931
Persimmon sprouts ... 561
Petroleum—vapors dangerous 758
Pictures—Grouping ... 1230
Pipeline—Rancid flavor 351
-releaser 147
Pipes—Irrigation (protecting) 1150
-Tractor raises silo .. 570
Pit—Spillproof 620
Placenta—Retained ... 218
Plan service—Bull barn 1055
-Calf barn (separate) 961
-Cord reel (electric) . 145
-Farm shop 1316
-Free-stall barn . 1021-1224
-Gopher bait applicator 867
-Hay-drying wagon .. 100
-Haykeeper 515
-Individual stall shed and loafing stalls 108-1224
-List of plans in .. 509-870
-Mow hay drying 515
-Retaining walls 623
-Roof trusses 211
-Silos (cast-in-place concrete) 577
-Tilt-up feed bunks .. 575
-Waste disposal for farm milking plant . 378
Plants — Insect control (built-in) 101
-Watering house 103
Plaques—Dairy of Merit 982
Plastic — covers for silage 606
-epoxies 135
Platform—Gutter 334
Plowing—Ammonia application during 350
-Deep 491
Plows—Coulter attachment on 288
-Hitching 615
-run at angle 215
-Types of 359
Plowshares — Hard-surfacing 48
Poison ivy 902
Poisoning — Copper (sheep) 350
-Cyanide 1182
-Dicoumarin (moldy sweet clover) 1078
-Green corn 958
-Nitrate 719
-Oak 1078
-Silo gas 806
-Sodium chlorate 418
-Sulphur 186
-Weed 418
Polarity—Reversed ... 1166
Pole buildings — Construction of 142
Poles—Faced 973
-Preservative for 985
Pond — Fish raising in 370
-Purifying, water 815-1110
-Weed control in 770
Population — Division between poor and rich 685
Post driver—Steel 788
Posts—Treated 14-450
-Treating 849-985
Poultry — Chronic respiratory disease 516
-Community nests ... 1200
-Cooling 806
-Crowding 74
-Dusting area (tractor tire) 99
-Feather eating 1170
-Feeding (skip-a-day) 576
-Fly control (cage layer house) 635
-Manure handling ... 930
-Manure lagoons 377
-Pullets (broody) ... 913
-Pullets (lighting growing) 104
-Slatted floors 1170
-Summer management 732
Poultry house—Modernizing 1053
-Types 1366
-Whitewash 846
-Windowless 958
Power—Emergency ... 606
Power-take-off 431-851
Pregnancy — Conception during 886
President Kennedy — Dairy message to Congress 290
Preston, J. (milking parlor for warm climates) 162
Price supports — Dairy 274
Princess Breezewood R. A. Patay — sets Holstein record 35
Prolin—for rat control 733
Protein — Feeding 1274-1335
Pruning—Fall, may be harmful 1140
Pseudorabies (mad itch) 638
Puerto Rico—Shipping cattle from Wisconsin to 273
Pulleys — Loose, on milker pumps 1107
Pump—Portable water 513
-Spring water 561
Purebreds—Registering 524

—Q—

Quack grass—control 572-846

—R—

Radiator—cap 209
Railroad — Shipping show herd by 1088
Rain gauge—Winterizing 1051
Rat control (Prolin) .. 733
Rations — Balancing herd 1234
-Creep, for baby pigs 1234
-Dairy 918-1234
-High-energy 382
-Milk fever prevention 334
Record keeping 786
-Checking account aids 134

-Electronic 1260-1265
Records—Breeding ... 1027
-Farm 438
-Milk (sliding) 979
Reel—Extension cord . 145
Reid, J. T., to author feeding column 963
Relief milker service .. 244
Renovation — Pasture (chemical and mechanical) 350
Rental rates—Pasture . 958
Renting—cows 845
Replacements—Cost of raising herd 661
Reproductive trouble — Cleaning 218
-Cystic ovaries ... 691-1182
-Heat irregular 830
-Prolapse of uterus .. 474
-Prolapse of vagina .. 594
-Prolonged gestation . 402
-Pus at vulva 526
-Settling failure 334
-Silent heats 254
-Torsions 1347
-Vibriosis 526
Research — Digestive tract 704
Richards, L. A., and J. Harkey (rolling gate) 467
Richardson, Dr. C., to Oklahoma 1291
Ringworm 521
-Vitamin A for 709
Rodents—Tree damage 1200
Roof—White 846
Room dividers 1109
Round Table — Class I bases provide better prices 16
-"Dairy steers have made us money" ... 1262
-Free stalls are here to stay 1202
-How to keep a good man 1352
-Low-moisture grass silage 204
-Our cows like free stalls 76
-"We practice preventive medicine" 136
-"We're getting the jump on mastitis" . 1312
Roush, E. E. (success in dairying) 1349
Rubber mats—for cows 1045
Rugs — Types and designs 316
Rumen—Function of .. 73
Russia—lagging in medicine 81
Rust — Aluminum foil removes 161
Rye—Feeding 147
Rye grass—Grazing .. 654

RECIPES and FOODS

Beans—Casserole 1049
Beets—Zippy 1169
Bread—Corn 237
-Nut 627
-Orange Christmas .. 1365
Broccoli—Party 731
Buns—Hot cross 391
Cabbage—Hot, and bacon slaw 1169
Cake—Butter 1365
-Raisin 819
Carrots — Honey-glazed 1169
Casserole — Bean and frank 1049
-Chipped beef and noodles with cheese sauce (quantity recipe) ... 102
Chicken—Barbecued .. 819
Chicken and rice au gratin (quantity recipe) 102
Corn—in sour cream .. 731
Corned beef 237
Creaming — vegetables 1278
Dessert — Glace' elegante' (ice cream) . 731
Diet — 1,800 calorie, pattern 313
Doughnuts — Cream-filled 1049
Dressing—Lemon 519
Eggnog—Recipes with 1365
Eggs — Oven scrambled 391
-Whites (getting most volume from) 103
Filling—Eggnog 1365
Fish steak — Cheese baked 237
Frosting — Confectioner's sugar 391
-Eggnog 1365
Glaze—Orange 1279
Glazing—canned ham . 627
-vegetables 1278
Ham—Canned 627
-melba 391
Hamburgers (quantity recipe) 102
-Broiled deviled 819
-Patties with nuts ... 819
-Scotch-pocket 819
-Surprise 819
Lamb—Spring 391
Meal—planning 313
Meat—categories 627
Meat loaf (quantity recipe) 102
Menus—Diet 313
Muffins — Cheese-onion 519
Mushrooms—Serving . 1169
Pancakes—Garden 1169
Peaches a la Alaska .. 391
Pickles — Bread and butter 926
-Cucumber 926
-Dill 926
Pie — Pumpkin chiffon (glazed) 1279
Potato salad—French . 519
Potatoes — Scalloped (quantity recipe) ... 102
-Stuffed, baked 237
Punch 1365
Recipes—Quantity 102
Salad—Apple, mold ... 519
-Blueberry cheese 519
-Cottage cheese and tomato 819
-Green (preparing) . 519
-Raspberry reverie mold 519

-Shrimp boat 519
-Spinach and rice ... 519
-Vegetable-apple molds 519
Salmon — Scalloped (quantity recipe) ... 102
Sandwich — Tuna-pizza 1049
Sauce—Eggnog hard . 1365
-for peas and onions . 1169
-Lamb 391
-Oyster clam 1365
-White (quantity recipe) 102
Scalloped potatoes — Sour cream 731
Scalloped vegetables .. 1278
Shortcake — Peas and chicken 1169
Skillet—Washing cast-iron 103
Tarts—Eggnog 1365
Tuna—Scalloped (quantity recipe) 102
Turkey—Roasting 1279
Vegetable potpourri .. 1169
Vegetable rabbit 237
Vegetables—Panned .. 1169
-Serving 1169-1278
Walnuts—Sugared 1278

—S—

Safety—Chemical 793
-Corn picker 1078
-Electric fence 656
-Electric wiring .. 418-758
-Fall prevention 978
-Fire drills 1147
-Gasoline 46
-Generator hookup .. 361
-Herbicide 503
-Lawn mower 806
-Lightning precautions 606-764
-Medicine and pesticide 1298
-Nat'l. Farm, Week . 774
-Spray and dust 446
-Tractor hitching 758
Sale—Ann Arbor Jersey 713
-Askew, Gerald, Holstein 183
-Beeler Thompson Holstein 793
-Bottema Holstein .. 1266
-Brown Swiss Spring Show Window 531
-Central States Invitational Jersey 1177
-Conklin, H., and Sons, Inc. Holstein . 998
-Curtiss Classic Holstein 591
-Dimick Jersey 741
-Doolittle Jersey 689
-ECBAC "500" Holstein 1238
-Elkhorn Classic Holstein 531
-Folck Classic Jersey (36th annual) 793
-Gibson Holstein 689
-Glass Brothers Holstein 1118
-Golden Elta Star Jersey 793
-Guernsey, of the West 741
-Hoover Holstein 471
-Hoppman and Son Holstein 793
-Illinois Brown Swiss Assn. State 1369
-Illinois Jersey Cattle Club State 1177
-Kentucky Nat'l. Guernsey 741
-Kentucky Nat'l. Holstein 689
-Kentucky Nat'l. Invitational Jersey . 793
-Lively Holstein 635
-McDonald (15th) ... 741
-McKitrick Brown Swiss 1233
-Nat'l. Holstein 793
-Nat'l. Jersey Show and (Kentucky) ... 613
-Oak Knoll Jersey .. 1238
-Pabst Farms Foundation Holstein 1238
-Plain Farm, Inc., Guernsey 883
-Ryf, W., Brown Swiss 1238
-Sibley Jersey 1266
-State Convention Holstein 183
-Stewart Brothers Holstein 689
-Tallcorn Triad Jersey 1369
-Wedeward, Harvey .. 591
-Welcome In Brown Swiss 1233-1292
-Wil-O-Way Guernsey 531
Sales — Stories behind closing-out 417
Salmonellosis 90
Salt—Feeding .. 307-418-866
-in swine ration 202
Salt box—Protected .. 788
Sanitizers 1024
Sargent, F., succeeds M. Senger 909
Saw—Filing 451
-Lengthening service life of, blade 620
-Using table 245
Sawhorses—Metal 1277
Scales—Portable milk . 451
Sawdust—bedding 1083
Schwanke, E. (improved milk production) 40
Scout Jamboree — Milk for World 811
Seed — Garden (treating) 550
-Legume, short 350
Senger, M., extension dairyman 909
Septic tank 769
-Inlet and outlet 499
-Maintenance 396
Septicemia—Calf 254
Sewage system 959-967
Sheep—Copper poisoning 350
-Dysentery in lambs . 638
-Ewes (feeding) . 154-1350
-Knock-kneed 118
-Slotted floors 1020
Shelters—Calf 42
Shipping fever 1159

Short course — Cost of 112
-Subjects offered 52
-Virginia 35
Showing—at the fair . 822
-"Bagging" cows ... 1136
-Exhibit 843
-Preparations for, cattle 684-734-773
-Shipping show herd by rail 1088
-technique 786
Shrubs—Pruning 1140
Sidewalk — Coping on slanted 231
Siding—Home 27
Silage—Alfalfa 708
-Citrus pulp 202
-Corn 581
-Harvesting corn for 960
-High-energy corn ... 1092
-High-sugar corn 785
-Limestone-treated ... 846
-Low-moisture 204-466
-Low-moisture alfalfa (additive for) 653
-Oat 654
-Plastic covers 606
-Sorghum (cutting) .. 810
-Sorghum, for ewes . 134
-Sudan 769
"Silent Spring"—Commentary on 46
Silo gas 806-913
Silo unloaders 910-1087-1090
Silos — Cast-in-place concrete 554
-Insulation 1031
-Types of 354
Sink, Mary (Nat'l. Champion Holstein Girl) 787
Sink—Cleaning 620
-Waterer made from . 451
Skin—Air under 254
Slag—Basic 1087
Sled—Cow 235
Sleeve—Plastic or rubber 474
Slotted floors — Lambs raised 1020
Smith, V. R., to Utah 777
Snakeroot—control ... 769
Snow—Controlling wind and, around buildings 707
Social security 24
Soil—compaction 964
-Testing 353-1022
-tilth (improving) .. 1260
Solids-not-fat—in milk 958
Sores—Mouth 402-942
Sorghum—Planting ... 283
-silage (cutting) 810
Soviet Union—lagging in medicine 81
Soybeans — Disease-resistant 490
Spark plugs . 27-54-495-1209
Sparks, T. W., succeeded by B. Harris, Jr. 1291
Spiders—Controlling .. 663
Spout—Jar 727
Sprayer—safety 446
-storage 997
Spring—Boxing 499
Springers—Handling . 612
Stains — Carpet (removing) 74
Stairs — Energy required to climb 561
Stalls—Free ..... 76-970-..... 1201-1202-1204
-Pre-feed 922
Stand—Christmas tree 1277
-Shop 1051
Stangel, V. (heating milking parlor) 1141
Star Farmer of America—Robert Cummins 1236
Star Farmers—Regional 1236
Steers — Bulls vs., as feeders 202
-Dairy 996-1262
Stickers—Bumper 728
Stifle joint—Injury ... 186
Stilbestrol—Feeding ... 682
Stile—Metal 161
Stones—in hayfields .. 455
Storage—space in home 583
Strack, R., Guernsey fieldman 1090
Stumps—Killing 111
Sucking—Stops 1374
Sudan grass—silage .. 769
Sulphur—poisoning ... 186
Sump pit—Sealing 85
Supplement — Feeding, on cornfields 1260
Swelling (hematoma) . 830

—T—

Table—Picnic 979
Tail—Replacing switch 742
Tank — Base for water (concrete) 1277
-Clay stops leaks 99
-Concrete water 325
-Gasoline (capping) . 1269
-stand 231
-Wash, stopper 32
Tests — Dipping into sanitizing solution .. 631
-Frostbitten 402
-Leaky 594
-Removing extra 933
-Webs 402
T-E-L-F-A-R-M program—Michigan's .. 1260
Temperatures — Animal 474
Termites—Control, before construction ... 606
Terry, E., and sons (veterinary pen) ... 177
Testing—DHIA (Long Meadow Farms Dairy) 419
-Increase in 685
Tetanus 372-638-1298
Tetany (muscle spasms) 1062
Thanksgiving — Reason for, in America 1259
Thermostat—Tractor .. 215
Thistle—control 902
Tibeau, Sandra Lee (American Dairy Princess) 721
Tile—Vinyl 1149
Tillage—Minimum 290
Tiller—Rotary 559
Timber—Value of 971

Timber rot 958
Tires—Bead breaker .. 1107
-Cracks in 561
-Liquid-filled 615-1319
-Smooth (protection for) 387
-Spare, for wagon ... 304
-Wear of tractor 710
Toes—Growths between 886
Tool rack—Portable .. 1164
Torres, D. (truck for stacking and loading bales) 453
Torsions 1347
Tractors—Accident risk on highway 1175
-Attachments (track-type) 359
-Batteries 27
-Buying used 760
-Crankcase breather . 859
-Cylinder sleeves 1319
-Driving, in traffic .. 315
-Engines 1354
-4-wheel drive 85
-Gaskets 1357
-Hitches (Category III) 431
-Hitching 758
-Hydraulic system ... 431-719-769
-Ignition system (reversed polarity) 1164
-Industrial 359
-Oil changes 1319
-Oil filter 859-1357
-Overturning 716
-Piston rings ... 1319-1357
-Power-shifting rear wheels 278
-PTO 431-851
-Pre-cleaner 859
-Radiator cap 209
-Tandem 314
-Testing, in Nebraska 904
-Thermostat 215
-Tires 710
-Traction 852
-Valves 96-1319-1357
-Weights 23
-Winterizing 1201
Trailer—Irrigation pipe 513
-Tractor, construction 22
Treatments — Do-it-yourself 794
Trees — Christmas (combustibility) 1310
-Christmas (decorating and lighting) 1331
-Christmas (growing) 169
-Fall care 1200
-Fruit (upside down) 355
-Plant, before freeze-up 1078
-Pruning 1140
-Rodent-damaged (bridge grafting) ... 395
-Rodents damage young 1200
Trimble, D. (Nat'l. Champion Holstein Boy) 787
Trucks—Buying used . 760
-Heat valves 96
-Nitrogen 387
Trunk—Opening frozen 1107
Trusses—Roof 210
Tuberculosis—Tests ... 396-1121-1338
Tumor—Blood 794
Turk — succeeded by Loosli 771
Turkeys — Feeder and floor space for 1170
2,4-D—in well 561
Type—in dairy cattle . 965

—U—

Udder—abscesses 1182
-Atrophied quarters . 942
-development (failure) 638
-edema 1374
-"Hot quarters" (acute mastitis) 1212
-Nursing and effect on 830
-stimulation 202
Urea—Feeding 864
Uterus—Prolapse .. 474-918
-Recovery of, after calving 901
-Torsions 1347

—V—

Vacuum lines—Ice in . 1350
Vagina—Prolapsed ... 594
VanDemark, N. L., to Ohio 1090
Van Sycke, R. (grain bin) 328
Vapor barrier—Installing 967
Veal—Raising calves for 1077
Ventilation—Barn 27-915-1357
-Barn (slot) 561-1031
-Cornerib 815
-Home 27-1087
Versilac 704
Veterinarians — Don't delay calling 1332
-Income 517
-100th anniversary .. 392
Veterinary medicine — Centennial year of . 1656
Veterinary scholarships —Students awarded . 1333
Vibriosis 526
Virginia—short course 35
Vitamin A—Feeding .. 594-709-976
Vitamin K-5 (food storage) 1200
Vulva—Pus at 526

—W—

Wafers—Hay 490
Wagon—Bale-dumper . 451
-False endgate for chopper 880
-Hay (homemade) ... 570
-Hay-drying 100
-Homemade 231
-Wire-covered wooden frame on forage ... 387
Walker, B., dies 909
Walls — Efflorescence forms on basement . 1209
-Refinishing unsightly 178
-Retaining (construction) 608
Warner, F. B., joins Holstein staff 525
Warts 794-1121
Washington Dairygrams 5-65-125-193-267-341-410-482-541-601-651-697-749-801-837-893-949-1009-1070-1129-1196-1249-1305-1345
Waste disposal — Milking plant 349
Water—Drinking (cold) 513
-Importance of, for cattle 307
-Purifying pond . 815-1110
-requirements of cow 759-806-1357
-Spring, pump 561
-Wash, for cows 99
-weeds 770
Water heater — Electric-refrigerant 806
Water pump—size 1357
Waterer—Base for electric 1241
-Ice-free, automatic .. 1079
-Sink 451
Waterways—Grass ... 490
Weatherproofing—house 331
Weed killers ... 134-179-714
Weeds — Losses caused by 562
-Water 770
Weep holes—Placing . 1031
Weevil — Alfalfa, control 989
Weighing crate 1164
Weight control — Ancients had, too 311
Welch Brothers (Holstein herd) 1023
Welcome In Charmer—$75,000 paid for 1233-1292
Welcome In Charming Jewel — sets Brown Swiss record 1294
Well—2,4-D in 561
Wheels—Power-shifting rear, on tractor 278
White muscle disease . 616
Wild oat—control 368
Wind—Construction to withstand 903
Windbreaks 846-971
-Metal 1051
Window shades 681
Wire—stretcher 570
Wiring — Check electric 418-758
Wood—flooring 91
-Sawing fireplace ... 161
Wood chips—Bedding . 27
Wood sills—Preserving 1209
Woodlot — Recreational facilities in farm .. 371
Workbench — construction 82
-Hot rod for 931

—X-Y-Z—

X-disease (hyperkeratosis) 606
Yard light—Automatic 161

COVER PICTURES

Ayrshire calf—Mor-Ayr Princess Petina . 693-696
Ayrshire calves—Fisk, B. D. 1245-1248
Ayrshire cow — Lippitt Blue Bell 189-192
-Oak ridge Connie Blue Bird 189-192
-Oak Ridge Connie Kathleen 189-192
-Oak Ridge Connie Lucy 189-192
Ayrshire herd — Callenius, E., and son 405-409
Baum, G. 121-124
Bohman, E. 337-340
Bottema, Ray (Holstein herd) ... 1005-1008
Boynton, H. 257-265
Brandt, E., farm 1125-1128
Brown Swiss cow — Cloveridge Paul's Lora 1-4
-Rhododendron Harriette 945-948
Brown Swiss herd (Gordon B. Eckles) .. 597-600
Brubacher, R. 121-124
Callenius, E., and son (Ayrshire cows) . 405-409
Carlson, M., (Guernsey herd) 1065-1069
Davis, R. S., farm (Guernsey herd) . 337-340
Diem, H. (Jersey herd) 833-836
Eckles, G. B., farm (Brown Swiss herd) 597-600
Edwards, Floyd, and son 797-800
Fisk, R. D. (Ayrshire calves) 1245-1248
Gibson, D. 192
Guernsey cow — Norgert's Nance Tid .. 61-64
Guernsey herd — Carlson, M. 1065-1069
-Davis farm 337-340
-Sandell farm 745-748
Haen, J. (Holstein herd) 1185-1189
Hjelle, Kathy 693-696
Holgate, F. D., farm (Holsteins) 641-650
Holstein cow—Hayssen Hi Hope 121-124
Holstein herd — Bottema farm 1005-1008
-Haen, J., ... 1185-1189
-Holgate farm 641-650
-S & H Farms 537-540
-Schmidt Brothers . 889-892
Jersey herd — Diem, H. 833-836
-Lansen, H. 1301-1304
-Sibley Farms 477-481
Jerseys—in ring (1962 Nat'l. Dairy Cattle Congress) 257-265
Kaeser, H. 192
LaFranchi, H. 189-192
LaFranchi, Mrs. H. 189-192
Lensen, H., farm (Jersey herd) 1301-1304
Madonna and Child 1341-1344
Miller, J. 257-265
Muir, G. 189-192
Nabholz, M. 257-265
Naugle, S. 257-265
Pappas, J. 189-192
Rhododendron Harriette (Brown Swiss cow) 945-948
Richardson, R. 477-481
S & H Farms (Holstein herd) 537-540
Sandell, F., farm (Guernsey herd) . 745-748
Schmidt Brothers .. 889-892
Sibley Farms — Jersey herd 477-481
Smith, R. 257-265
Soderbeck, L. 121-124
Strock, N. 257-265
Tibeau, Sandra Lee ... 1-4
Yost, L. 61-64
Zeldenrust Farm (R. Bottema) 1005-1008

PICTURED WERE

Ablard, B. J. (R. Table) 1202-1224
Albrectsen, R. 1143
Allen, N. 1165
Almquist, D. 1171
Almquist, J. O. 855
Anderson, G. (R. Table) 137
Armstrong, W. H. ... 1165
Ayrshire cow — Bob's Pansy Girl 456
-Sous L'Ombre Ideal Hydronelle 1227
Bailey, R. 1289
Baker, Dr. L. A. 137
Balmelli, C. (R. Table) 1263
Baylor, J. E. 706
Bearden, J. F., J. R., and L. (R. Table) .. 137
Behm, W. 708
Behnke, L. 1165
Bennett, P. 92
Benton, J. 1264
Berg, Elsmer (R. Table) 1313
Bossard, D. 1171
Bouton, M. 676
Boyer, Mr. and Mrs. . 1265
Bradley, D. 1292
Brewer, A. (R. Table) 136
Brown, Mr. and Mrs. J. A., and son 1081
Brown Swiss bull — Welcome In Charmer 1292
Brown Swiss cow — Mable's Tamarind Violet 1292
-Norvic Mistress Mirth 1206
Brubacher, R. (Holstein judge) 493
Caruthers, G. 419
Case, G. 1289
Cates, J. (R. Table) .. 1312
Christman, S. 1171
Clark, A. G. (Ayrshire judge) 493
College—University of Illinois 553
Collegiate judging team —Iowa (winner at Dairy Cattle Congress) 1171
Cook, A. 429
Cope, L. B. (R. Table) 76
Copeland, M. 1289
Corley, E. L., Jr. ... 383
Crowley, J. W. (Brown Swiss judge) 493
Cushing, G. 675
Darling, E. A. 1101
Davenport, R. B. 419
Drake, M. 1292
Draxler, B. (R. Table) 204
Ebert, J. (R. Table) 1202
Eickmeier, J. (R. Table) 1262
Fee, R. 1171
Fitzpatrick, W. W. ... 1101
Folck, B. 1289
4-H club — Darien Farmers 553
FFA chapter — Damascus, Maryland 553
Fitzsimmons, R. (Guernsey judge) 493
Foreman, F. 1171
4-H judging team—New York (winner at Dairy Cattle Congress) ... 1171
Garth, W. P. 1289
Gault, D. (R. Table) . 16
Gingg, C. 352
Godderidge, Sue Ann (American Dairy Princess) 1146-1171
Goeke, W. D. 1292
Goodwin, C. 1171
Goulden, Dr. J.D.S. .. 381
Graber, L., and son .. 795
Groff, E. 1165
Guernsey cow—Gayoso View Fame's Debby . 1160
-Ideal's Beacon's Nora 677
-Ideal's Beacon's Rosette 398
Haen, J. (R. Table) .. 1202
Handy, James (R. Table) 1312
Harris, C. 1264
Hartman, D. 1171
Haugan, E. 883
Hawthorn, O. 18
Herman, H. A. 1165
Hitz, W. 520
Hoag, J. 1171
Holstein bull — Richherd Texal Trademark 793
Holstein cow — Snow Boots Wis Milky Way 1206
Homer, D. 1292
Horvath, S. and J. (R. Table) 204
Howard, R. 419
Hudson, E. T. 489
Hull, Mr. and Mrs. V. 1292
Hymas, B. M. (R. Table) 1202-1223
Ingvalson, L. 40
Jackson, L. 1292
Jacobs, M. 525
Jennings, J. W. 1289
Jersey bull — Sparkle Ring Man 1289
Jersey cow—Jestermaid J. Faith 1286
Jerseys—Happy Valley Farm 1229
-Mayfield 1289
Jessup, V. 1165
Jewert, M., and son (R. Table) 1203-1224
Jones, R. 1289
Kain, Sally 553
Kellogg, D. 1292
Kenley, M. 1165
Kent, R. B. 1289
Kilpatrick, B. and W. (R. Table) 1203
Klinger, C., family .. 809
Klodt, R. 1171
Knight, R. L. 1101
Knutson, K. D. (R. Table) 1262
Kreider, N. (R. Table) 1352
Lacey, Dr. S. F. 137
Lamprecht, D. and W. 1343
Larson, L. (R. Table) 1353
Lindimore, W. O. 1292
Lyon, G. J. (Jersey judge) 493
Malin, Mr. and Mrs. H., and Gerald 552
Martin, E. W. (R. Table) 77
Matheson, D. 419
McFarland, G., Jr. ... 676
McKitrick, Dr. and Mrs. J. J. 1292
McKitrick, J. L. and J. W. 452
McKitrick, Mr. and Mrs. J. W. 1292
McKitrick, Jack 1292
McMillan, N. and F. . 388
McVay, T. H. 520
Messer, Mr. and Mrs. A. 793
Miller, W. J. 855
Moncrief, L. 179
Moody, E. G. 429
Moore, Dr. G. 392
Morrow, D., D.V.M. .. 1143
Morton, A. and F. (R. Table) 1203
Mott, J. (R. Table) .. 205
Munn, S. 1264
Muther, F. (R. Table) 1312
Neel, W. (R. Table) .. 16
Nibler, C. W. 855
Nichols, G. 1165
Nichols, M. B. 793
Nicholson, M. 92
Oleskie, D. 1289
Olsen, P. C. (R. Table) 76
Olson, G. C. 553
Papageorge, J. 793
Peppe, Dr. V. J. 136
Peterson, R. 1165
Pfeiffer, R. L. 782
Plank, L. (R. Table) . 77
Potocnik, K. 525
Prescott, M. S. 1101
Rader, Dr. W. A. 137
Rankin, T. J. (R. Table) 76
Reeves, T. 419
Regan, W. M. 1101
Reid, J. T. 963
Rhodes, Mrs. O. 1292
Richards, Mr. and Mrs. 793
Riford, L. 676
Rodecap, J. 1171
Ropp, G. 179
Ross, J. 1289
Rowzee, C. 92
Russell, C. 525
Sargent, F. 909
Sawyer, W. (R. Table) 1263
Schultz, L. 52
Schwanke, R. 40
Scott, A. (R. Table) .. 16
Scott, B. 525
Senger, M. 419-909
Shelley, L. 1352
Shreeve, H. (R. Table) 16
Simons, T. 179
Sink, Mary 787
Smith, A. 1292
Snedigar, R. (R. Table) 17
Spangler, Mr. and Mrs. 809
Spencer, F. 419
Stangel, V. 1141
Stanton, C. 1289
Stephens, D. 489
Stevens, K. 1289
Steward, J. J. 92
Stewart, D. 352
Stewart, J. A., and Jim (R. Table) 1353
Stoppard, T. 1352
Swartout, L. 525
Tanis, J. 676
Taylor, D. (R. Table) 205
Taylor, R. 92
Thompson, E. and R. (R. Table) 137
Thomson, A. C. 793
Tibeau, Sandra (American Dairy Princess) 671-721
Trimble, D. 787
VanDemark, N. L. ... 1090
Vitzthum, V. 1292
Walters, D. (R. Table) 204
Wamhoff, E. 40
Warnick, M. (R. Table) 16
Welch, D. E., and K. 1023
Westphal, C. 92
Wetter, Dr. C. H. ... 1348
Wiersma, F. (R. Table) 1353
Wille, L. 553
Wilson, D. 525
Zimmerman, A. 809

1964 will be an exciting year!

The "rapid pace of change" is accelerating in dairy farming and milk marketing. Never before in history have changes taken place so rapidly.

New feeding, housing, milking, and disease control practices are evolving at a revolutionary pace.

Showdown time is here for the Dairymen's Class I base plan for selling milk, strengthening your prices.

78 years ago, W. D. Hoard said:

"We all need sound ideas and the precious knowledge of what to do next. Wisdom is based on knowledge, thought, and close reasoning. But we must first have knowledge before we can reason correctly."

This is our function, our life's work . . . to provide the dairy farmers of America with the great wealth of knowledge that unfolds on the farms, in the markets, and in the research laboratories of the country. With it, you can apply your "thought and close reasoning" to provide a more rewarding life for you and your family.

Our pledge to you . . .

We are now at work on the early 1964 issues of your Hoard's Dairyman. Never have we edited more articles with "more meat," more down-to-earth information. In particular, we will start, in our March 10 issue (right after the Round Table is completed), one of the most exciting and enlightening series of articles we have ever published. The authors and artists have been working on the articles for 10 months! This information has never been available in any farm magazine before. No, we won't say any more, except that they are tailor-written for you, whether you dairy farm in the North, South, East, or West.

We pledge, we promise you 24 issues of the best and latest information ever published on profitable dairy farming.

In all this, we are dedicated to making . . .

1964 . . . A PROSPEROUS NEW YEAR for YOU